

Fig.1

Masanao SUGA NUMERAL VALUE DISPLAY SYSTEM October 20, 2005 Darryl Mexic 202-293-7060 Q90792 I of 15

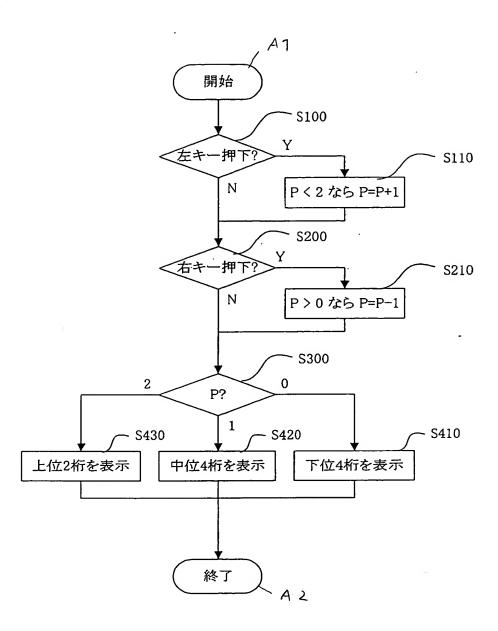


Fig.2

Masanao SUGA
NUMERAL VALUE DISPLAY SYSTEM
October 20, 2005
Darryl Mexic 202-293-7060
Q90792
2 of 15

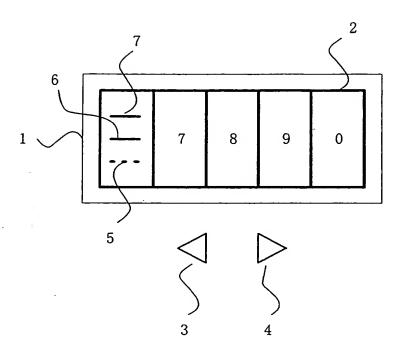


Fig.3

Masanao SUGA
NUMERAL VALUE DISPLAY SYSTEM
October 20, 2005
Darryl Mexic 202-293-7060
Q90792
3 of 15

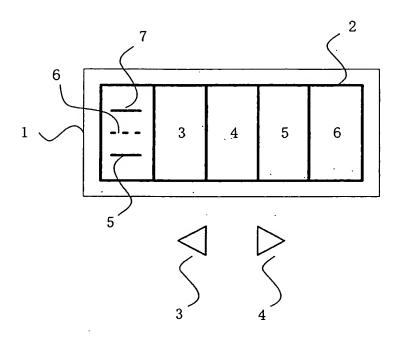


Fig.4

Masanao SUGA
NUMERAL VALUE DISPLAY SYSTEM
October 20, 2005
Darryl Mexic 202-293-7060
Q90792
4 of 15

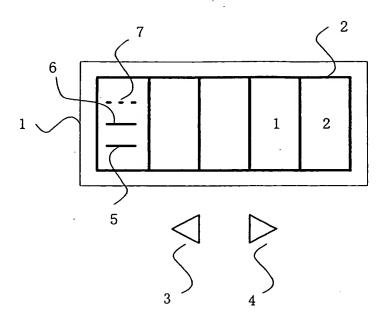


Fig.5

Masanao SUGA
NUMERAL VALUE DISPLAY SYSTEM
October 20, 2005
Darryl Mexic 202-293-7060
Q90792
5 of 15

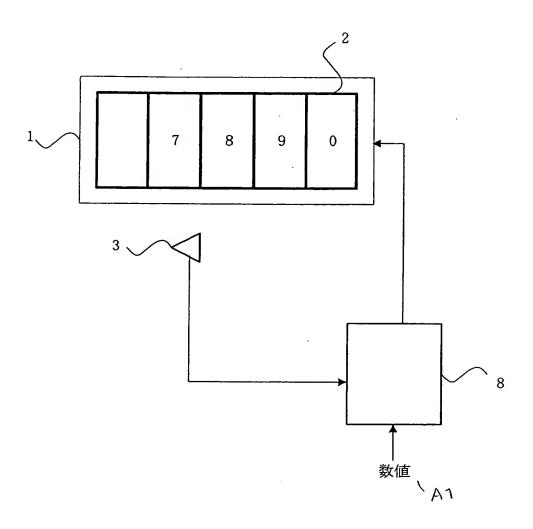


Fig.6

Masanao SUGA
NUMERAL VALUE DISPLAY SYSTEM
October 20, 2005
Darryl Mexic 202-293-7060
Q90792
6 of 15

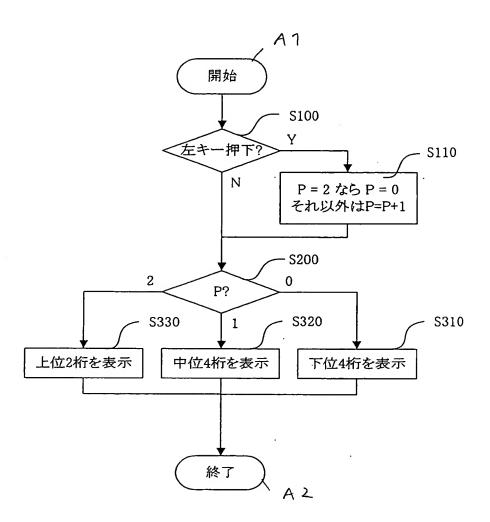


Fig.7

Masanao SUGA
NUMERAL VALUE DISPLAY SYSTEM
October 20, 2005
Darryl Mexic 202-293-7060
Q90792
7 of 15

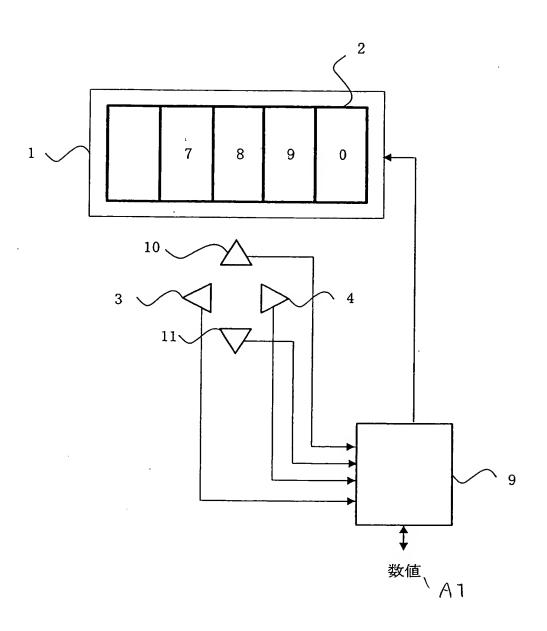


Fig.8

Masanao SUGA NUMERAL VALUE DISPLAY SYSTEM October 20, 2005 Darryl Mexic 202-293-7060 Q90792 8 of 15

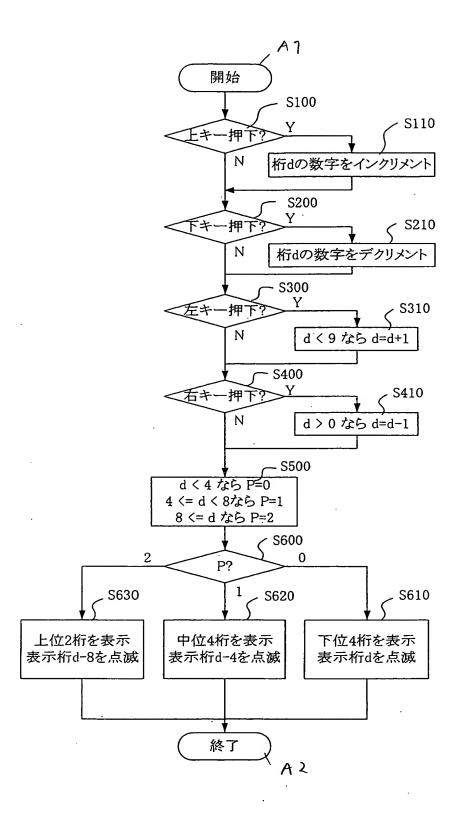


Fig.9

Masanao SUGA
NUMERAL VALUE DISPLAY SYSTEM
October 20, 2005
Darryl Mexic 202-293-7060
Q90792
9 of 15

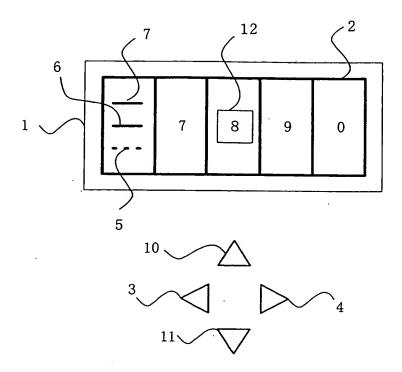


Fig.10

Masanao SUGA
NUMERAL VALUE DISPLAY SYSTEM
October 20, 2005
Darryl Mexic 202-293-7060
Q90792
10 of 15

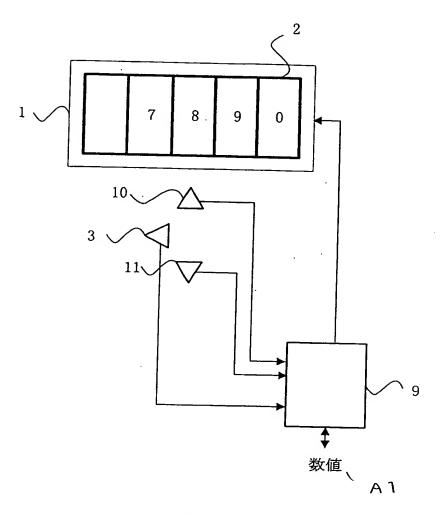


Fig.11

Masanao SUGA
NUMERAL VALUE DISPLAY SYSTEM
October 20, 2005
Darryl Mexic 202-293-7060
Q90792
11 of 15

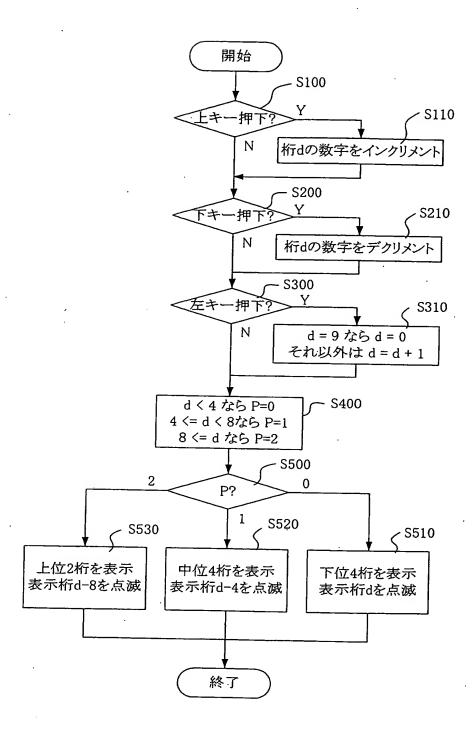


Fig.12

Masanao SUGA
NUMERAL VALUE DISPLAY SYSTEM
October 20, 2005
Darryl Mexic 202-293-7060
Q90792
12 of 15

[FIG. 1] A1: numeral value [FIG. 2] A1: start A2: end S100: left key is depressed? S110: if P<2, then P=P+1S200: right key is depressed? S210: if P>0, then P=P-1S430: display 2 digits of upper order S420: display 4 digits of middle order S410: display 4 digits of lower order [FIG. 6] numeral value; A1: [FIG. 7] A1: start

A1: start
A2: end
S100: left key is depressed?
S110: if P=2, then P=0. In other cases, P=P+1
S330: display 2 digits of upper order
S320: display 4 digits of middle order
S310: display 4 digits of lower order

Masanao SUGA
NUMERAL VALUE DISPLAY SYSTEM
October 20, 2005
Darryl Mexic 202-293-7060
Q90792
13 of 15

```
[FIG. 8]
A1:
     numeral value
[FIG. 9]
A1:
     start
A2:
      end
S100: up key is depressed?
S110: increment numeral of digit "d"
S200: down key is depressed?
S210: decrement numeral of digit "d"
S300: left key is depressed?
S310: if d < 9, then d = d + 1
S400: right key is depressed?
S410: if d>0, then d=d-1
S500: if d<4, then P=0
     if 4 \le d \le 8, then P=1
      if 8 \le d then P = 2
S630: display 2 digits of upper order, and flicker display
digit (d-8)
S620: display 4 digits of middle order, and flicker display
digit (d-4)
S610: display 4 digits of lower order, and flicker display
digit (d)
[FIG. 11]
```

Masanao SUGA NUMERAL VALUE DISPLAY SYSTEM October 20, 2005 Darryl Mexic 202-293-7060 Q90792 14 of 15

A1:

numeral value

```
[FIG. 12]
A1:
     start
A2:
     end
S100: up key is depressed?
S110: increment numeral of digit "d"
S200: down key is depressed?
S210: decrement numeral of digit "d"
S300: left key is depressed?
S310: if d=9, then d=0; in other cases, d=d+1
S400: if d<4, then P=0
     if 4 \le d \le 8, then P=1
     if 8 \le d then P = 2
S530: display 2 digits of upper order, and flicker display
digit (d-8)
S520: display 4 digits of middle order, and flicker display
digit (d-4)
S510: display 4 digits of lower order, and flicker display
digit (d)
```

Masanao SUGA
NUMERAL VALUE DISPLAY SYSTEM
October 20, 2005
Darryl Mexic 202-293-7060
Q90792
15 of 15